

# THE UNKHED SHAMES OF AMERICA

Seminis Hegetable Seeds, Inc.

LILETRAS, THERE HAS BEEN PRESENTED TO THE

### Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANTS INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW. THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC **REPLANCE MENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY \mathsf{LAW}, THE** GITE TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR ATTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

#### *LETTUCE*

'Brave Heart'

In Testimone Thereof, I have hereunto set my hand and caused the seal of the Plant Buriety Frotestion Office to be affixed at the City of Washington, D.C. this twenty-seventh day of April, in the year two thousand and five.

Plant Variety Protection Offic Agricultural Marketing Šervi

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

#### APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse)

Specialist

S&T-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (02-99) which is obsolete.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME 1. NAME OF OWNER 3. VARIETY NAME Seminis Vegetable Seeds, Inc. Brave Heart **PSR 4837** 4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 5. TELEPHONE (include area code) FOR OFFICIAL USE ONLY PVPO NUMBER 805 647 1572 2700 Camino del Sol 20020022 Oxnard, CA 93030-7967 6. FAX (include area code) 805 918 2545 FILING DATE if the Owner Named is NOT A "Person", Give Form OF ORGANIZATION (corporation, partnership, association, etc.) 8. IF INCORPORATED, GIVE STATE OF INCORPORATION 9. DATE OF INCORPORATION 8/14/2002 04-Jun-1962 California Corporation 10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) FILING AND EXAMINATION FEES: Marcel Bruins Sharen Chaffin Seminis Vegetable Seeds, Inc. Seminis Vegetable Seeds, Inc. Nude 54D 37437 State Hwy 16 6702 DN Wageningen Woodland CA 95616 RECE The Netherlands mbruins@svseeds.nl Ph: 31 317 450218 Fax: 31 317 450217 11. TELEPHONE (include area code) 12. FAX (include area code) 13. E-MAIL 14. CROP KIND (Common Nar 530 669 6172 sharen.chaffin@seminis.com 530 666 4426 Lettuce 15. GENUS AND SPECIES NAME OF CROP 16. FAMILY NAME (Botanical) 17. IS THE VARIETY A FIRST GENERATION HYBRIO? Lactuca sativa Compositae YES 18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(e) of the Plant Variety Protection Act) a. 🔽 YES (If "yes", answer items 20 and 21 below) Exhibit A. Origin and Breeding History of the Variety NO (If "no", go to item 22) b. Exhibit B. Statement of Distinctness V Exhibit C. Objective Description of Variety 20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? ~ NO d. 🗖 Exhibit D. Additional Description of the Variety (Optional) IF YES, WHICH CLASSES? FOUNDATION REGISTERED CERTIFIED Exhibit E. Statement of the Basis of the Owner's Ownership V Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public i. 🗸 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS YES NO Filing and Examination Fee (\$2,705), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office) IF YES, SPECIFY THE **FOUNDATION** REGISTERED CERTIFIED 9. 🗸 NUMBER 1,2,3, etc. (If additional explanation is necessary, please use the space indicated on the reverse.) HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? NO √ NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.) IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.) 24. The owners deciare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties. SIGNATINE OF OWNER SIGNATURE OF OWNER NAME (Please print or type) NAME (Please print or type) Sharen Chaffin CAPACITY OR TITLE DATE CAPACITY OR TITLE DATE

#### INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initiated and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

200200222

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
  - (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

US: November 1, 2001

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center–East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed/ls-sd.htm

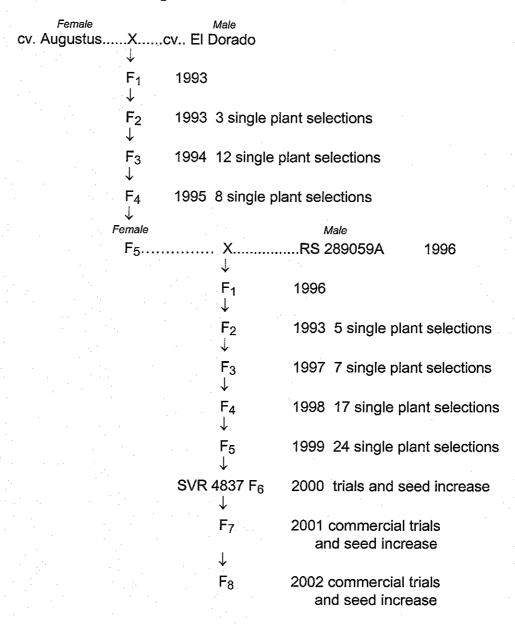
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building. 14th and Independence Avenue, SW. Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

S&T-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (02-99) which is obsolete.

#### Exhibit 16A. Origin and Breeding History of Lettuce Cv. Brave Heart (SVR 4837)

### Pedigree of Cv. Brave Heart



Cv. Brave Heart (SVR 4837) originated in 1993 with the cross cv. Augustus by cv. El Dorado. An  $F_5$  selection from this cross was crossed to RS 289059A in 1996. Single plant selections were made in subsequent years in the areas of intended commercialization. By  $F_6$  a group of 2 families was judged uniform and bulked for trialing and seed increase. An  $F_7$  mass was trialed extensively during 2001 and an increase of  $F_8$  seed will be produced in the San Joaquin Valley of California this year.

The breeding work was carried out by Dr. William Waycott at the Seminis Vegetable Seed's Research Station at Arroyo Grande, California. Replicated field trials were conducted in production areas throughout Coastal California during 2001.

The breeding method employed was pedigree selection, using both single plant selection and mass selection practices. The selection criteria for cv. Brave Heart were:

- 1. a cultivar with increased uniformity, and improved heading ability adapted to growing conditions in Coastal California, when compared to the most similar varieties.
- 2. resistance to downy mildew.
- 3. resistance to corky root rot.

In trials of cv. Brave Heart during the last four years covering generations  $F_6$  to  $F_{10}$ , we have seen neither genetic variants nor off-types in more than 15,000 plants indicating that this variety is genetically uniform and stable.

#### Exhibit 16B. Novelty Statement of Lettuce cv. Brave Heart (PSR 4837)

Cv. Brave Heart is described as a vigorous romaine lettuce cultivar adapted to Coastal California lettuce growing areas. Cv. Brave Heart is sown from October to December in Southern California and Western Arizona, from December to January in the San Joaquin Valley of California, and from January to August in the production areas of Coastal California. Cv. Brave Heart is resistant to California pathotypes I, IIA (61-212/21/2004). IIB, III, IV, and V of downy mildew, and to corky root rot, strain CA1. Cv. Brave Heart was selected for improved uniformity and performance compared to the currently commercial cultivars grown during the same production periods as well as for the disease resistances listed above.

Phenotypically, cv. Brave Heart is distinct from its most similar commercial cultivar, cv. Clemente. Cv. Brave Heart is taller, heavier, and more uniform in head formation and appearance when compared to cv. Clemente (Table 1). In replicated field trials, cv. Brave Heart exhibited more plants with uniformly tall heads, whereas cv.Clemente exhibited less uniformity of heading, with some plants having misshapened heads. The leaf color of cv. Brave Heart was consistently lighter (RHC color chart 146C), whereas the color value of cv. Clemente was 146B. Cv. Brave Heart is more susceptible to premature stem elongation (bolting) than is cv. Clemente.

Table 1. Evaluation of Brave Heart (PSR 4837) and the most similar cultivar, Clemente, for several important characters.

							-		
			Downy Mildew	Corky Root Ro	Corky Lettuce Root Rot Mossic	Diant	700	7	90
Trial No	Cultivar	Rep No. Color <sup>a</sup>			Resist.		neau Diam. <sup>f</sup>	nead Weight <sup>g</sup>	no. or Days to 15 cm <sup>h</sup>
<b>Trial 1:</b> Evaluated	Brave Heart:	Rep. 1 146C	I,IIa,IIb,	Resist,	Suscept.	35.3±1.1	24.0±2.1	912±9.6	54
20 Feb 2002 Yuma, AZ		Rep. 2 146C		Resist.	Suscept.	Suscept. 34.8±1.5	24,6±2.1	933±9,8	55
		Average: 146C	5C I,IIa,IIb, Resist. III,IV,V	Resist.	Suscept.	Suscept. 35.1±1.3	24,3±2.1	923±9.7	55
	Clemente:	Rep. 1 146B Rep. 2 146B	Suscept. Suscept.	Resist. Resist.	Resist. Resist.	29.7±1.5 29.1±1.9	26.9±2,3 26.7±2.9	813±10.2 817±10.4	65 66
		Average: 146B	5B Suscept.	Resist.	Resist.	29.4±1.7	26.8±2,6	815±10.3	99
Trial 2:	Brave Heart:	Rep. 1 146C		Resist.	Suscept.	34,9±1.4	24.5±2.2	9,6±968	54
8 May 2002 Salinas Valley		Rep. 2 146C	I,IIa,IIb,	Resist.	Suscept.	35,4±0,9	24.2±1.9	944±9.5	23
·		Average; 146C	SC I,IIa,IIb, III,IV,V	Resist,	Suscept.	35.2±1.2	24.4±2.1	922±9.6	54
	Clemente:	Rep. 1 146B Rep. 2 146B	Suscept.	Resist. Resist.	Resist. Resist.	28.9±1.9 29.7±1.2	26.8±2.7 26.1±2.1	$821\pm10.1$ $811\pm10.6$	64 66
-		Average: 146B	SB Suscept.	Resist.	Resist.	29.3±1.6	26.5±2,4	816±10.4	65

a Color evaluation was done using the Royal Horticultural Society color chart, U.K.

<sup>b</sup> Downy mildew survey reported as resistance to California Pathotypes I through V, using two replications each having 15 seedlings, grown in laboratory screens.

<sup>c</sup> Corky root rot survey of using five replications, each having 25 roots from plants grown in field trials in Monterey and Santa María Counties, CA, evaluated between June and August, 1997 and 1998.

<sup>d</sup> Lettuce mosaic virus survey using two replications each having 40 seedlings, grown in laboratory screens.

 $^{ ext{f}}$  Mean head diameter using two sowing dates of 20 plants per replication in cm  $\pm$  standard deviation.  $^{
m e}$  Mean plant height using two sowing dates of 20 plants per replication in  ${
m cm} \pm {
m standard}$  deviation.

 $^g$  Mean head weight using two sowing dates of 20 plants per replication in grams  $\pm$  standard deviation.

<sup>h</sup> Mean number of days until stem reaches 15 cm using two replications of 20 plants each.

## OBJECTIVE DESCRIPTION OF VARIETY

	·	LETTUC	E <u>Lactuca sativa</u>				
NAME OF A	APPLICANT (S)	100 500		FOR OFFICIA	L USE ONLY		
ADDRESS (	Street and No. or R.F.D. No., C	Ity, State, and ZIP Code)	Juc .	PVPO NUMBER			
<b>.</b>	2700 Canino del Sol						
OX	enend CA			BRAVE HEA	RT		
				PSR 4837	FNATION		
Place numbe	ers in the boxes for the characte	ers which best describe this v	ariety. Measured data shou	Id he the mean of an appropriate ou	They be less to the second		
spaced plant	s. Royal Horticultural Society	or any recognized color stan	dard may be used to determ	nine plant colors.	moer (at least 10) of wel		
	of the test area is:	0.0.4	Color System U				
1. PLANT T		RIZONA	ROYAL	HORT. Soc., U.	<u> </u>		
	01=Cutting/Leaf	d check varieties page 4.) 05=Great Lakes G		i			
0 4	1 02=Butterhead 03=Bibb 04=Cos or Romain	06=Vanguard Grou 07=Imperial Grou	up 10=Latin P 11=OTHER	₹.			
2. SEED:	COLOR 1=White (Silver Gray)	LIGHT DORM		EAT DORMANCY			
	2=Black (Gray Brown) 3=Brown (Amber)	1=Light Requi	1 1 1	=Susceptible !=Not Susceptible	*.		
3. COTYLE	DON TO FOURTH LEAF STA	GE: NOTE: Provide a cold	or photograph or photocop	y of the fourth leaf from 20 day old	seedling		
7	SHAPE OF COTYLEDONS		optimal conditions,	Spatulate	· · · ·		
	SHAPE OF FOURTH LEAF	<b>.</b> .	_	$\Lambda$			
	1 OHALE OF FOORTH LEAF			//			
	~~			111 21	マ こくしゅん		
				111 61	>		
				111 31	لر		
					$\supset$		
			A,				
	1	2	. 4	5 6			
		•			•		
28	LENGTH/WIDTH INDEX OF	F FOURTH LEAF: L/W x 1	0				
	APICAL MARGIN:	1=Entire					
	<b>,</b> ,	2=Creanate/Gnawed	4=Moderately Dentate 5=Coarsely Dentate	7=Lobed 8=OTHER <i>(specify)</i>			
4	BASAL MARGIN:	3=Finely Dentate	6=!ncised				
	UNDULATION:	1≖Flat	2=Slight	3=Medium	4=Marked		
3	GREEN COLOR:	1=Yellow Green 2=Light Green	3≈Medium Green 4≃Dark Green	5=Blue Green	7=Gray Green		
<del></del>	ANTHOCYANIN:		4-Dark Green	6=Silver Green			
1	DISTRIBUTION:	1≖Absent 2=Margin Only	3=Spotted 4=Throughout	5=OTHER (specify)	·		
	CONCENTRATION:	1=Light	2=Moderate	3=Intense			
	ROLLING:	1=Absent	2≖Present				
	CUPPING:	1=Uncupped	2=Slight	3=Markedly			
	REFLEXING:	1=None	2=Apical Margin	3=Lateral Margins			
ORM LS-470-1 (9-86)	1 Formerly Form GR-470-1 w	hich is obsolete			Page 1 of 4		

INCISION DEFTH:	•		LEAVES (observe harvest-matur		200200	1229	
Gestate potentiation of the margins    Territe (Dark Green Goston)   Territe (Dark Green	N	OTE: Pr					
### ACRITICAL MARGIN:    JANUALLATION OF THE APPROACH SIGNED   APPROACH   APP					2=Moderate (Vanguard)	3=Deep (Great Lakes 659)	
APICAL MARGIN: 1-Absent/Signit (Dark Green Botton) 2-Moderate Verguard Settle (Green Laker) 3-Strong (Green Laker) 4-Dank Green (Martin Caren Laker) 4-Dank Green (Martin Caren Laker) 5-VERR (Apecify) 2-Martin (Green Laker) 5-VERR (Apecify) 2-Martin (Green Laker) 5-VERR (Apecify) 2-Moderate (Verguard) 5-VERR (Apecify) 2-Moderate (Verguard) 3-International Fires Mead 3-In				2#Shatlowly Doesess (Genet Lakes 65)		5=OTHER (specify)	
A-Dark Green (Vanguard) 8-OTHER  ANTHOCYANIN (ground at or helder) 2 (2):    DISTRIBUTION: 1-Inhand (seberg) 2-Margin Only (Big Boston) 4-Throughout (Frize Head) 3-Internse (Futhy)				1=Absent/Slight (Dark Green Boston)	2=Moderate (Vanguard)	3=Strong (Great Lakes 659)	
Indigent		3	GREEN COLOR:				
CONCENTRATION: 1-Light (leaburg) 2-Moderate (Prize Head) 3-Intransis (Ruby)  3 SIZE: 1-5mail 2-Moderate (Prize Head) 3-Intransis (Ruby)  3 SIZE: 1-5mail 2-Moderate (Salinas) 3-Glossy (Great Lakes)  4 GLOSSINESS: 1-Outi (Vanguard) 2-Moderate (Vanguard) 3-Strong (Prize Head)  5 LEAF THICKNESS: 1-Thin 2-Intermediate 3-Thick  1 TRICHOMES: 1-Absent (amooth) 2-Present (spiny)  5. PLANT (or market stage. Choose a comparison carlety appropriate for that type.):  5. PLANT (or market stage. Choose a comparison carlety appropriate for that type.):  5. PLANT (or market stage. Choose a comparison carlety appropriate for that type.):  5. PLANT (or market stage. Choose a comparison carlety appropriate for that type.):  5. PLANT (or market stage. Choose a comparison carlety appropriate for that type.):  5. PLANT (or market stage. Choose a comparison carlety appropriate for that type.):  6. PLANT (or market stage. Choose a comparison carlety)  4. HEAD DIAMETER (market frimmed with triple cap leaf):  6. PLANT (or market stage. Choose a comparison carlety)  7. HEAD SIZE CLASS: 1-Small 1-Small 2-Small 3-Spanercal			ANTHOCYANIN (grown at or	r below 10 C):			
3 SIZE: 1=Small 2=Medium 3=Large  QLOSSINESS: 1=Duul (Vanguard) Z=Mederate (Salinas) 3=Glossy (Great Lakes)  BLISTERING: 1=Absent/Slight (Salinas) Z=Moderate (Vanguard) 3=Strong (Prize Head)  QLEAF THICKNESS: 1=Thin 2=Intermediate 3=Thick  TRICHOMES: 1=Absent (smooth) Z=Present (spiny)  5. PLANT (at market zerge. Choose a comparation variety appropriate for this type.):  SPEAD OF FAMBLE LEAVES: 3 ST on CLEMENTE (specify comparation variety)  QHEAD SIAPE: 1=Filteraned 3=Strong (Prize Head)  A HEAD SIAPE: 1=Filteraned 3=Spinherical 4=Filongate 4=Filtering 4=Filterin			DISTRIBUTION:			5=OTHER (specify)	
GLOSSINESS: 1-Duti (Vanguard) 2-Moderate (Salinas) 3-Glossy (Great Lakes)  BLISTERING: 1-Absent/Slight (Salinas) 2-Moderate (Vanguard) 3-Strong (Prize Head)  LEAF THICKNESS: 1-Thin 2-Intermediate 3-Thick  TRICHOMES: 1-Absent (smooth) 2-Present (spiny)  5. PLANT (at market stage. Choose a comparison variety appropriate for this type.):  SPREAD OF FRAME LEAVES: 1-SPREAD OF FRAME LEAVES: (specify comparison variety)  HEAD DIAMETER (market trimmed with stigle ap leaf):  THEAD OLAMETER (market trimmed with stigle ap leaf):  THEAD SHAPE: 1-Flattened 2-Slightly Flattened 3-Sotherical 4-Elongate 5-Non-Heading 4-Elongate 5-OTHER  THEAD SHAPE: 1-Small 2-Medium 3-Large  A HEAD OUNT PER CARTON  HEAD OUNT PER CARTON  HEAD OWNT PER CARTON  MEAD WEIGHT: (specify comparison variety)  THEAD FIRMNESS: 2-Moderate 3-Firm 1-Loope 3-Firm 1-Loope 4-Very Firm  A HEAD COUNT PER CARTON  THEAD FIRMNESS: 1-Small 3-First 1-Loope 3-Firm			CONCENTRATION:	1=Light (Iceberg)	2=Moderate (Prize Head)	3=Intense (Ruby)	
SLISTERING: 1=Absent/Slight (Salinas) 2=Moderate (Vanguard) 3=Strong (Prize Head)  LEAF THICKNESS: 1=Thin 2=Intermediate 3=Thick  1 TRICHOMES: 1=Absent (smooth) 2=Present (spiny)  5. PLANT (at market trage, Chaose a comparation variety appropriate for this type.):  3.5 SPREAD OF FRAME LEAVES: 1=AFRAME LEAVES: 2=REAMED (Salves)		3	SIZE:	1=Smali	2=Medium	3=Large	
LEAF THICKNESS: 1=Thin 2=Intermediate 3=Thick  1 TRICHOMES: 1=Absent (smooth) 2=Present (spiny)  5. PLANT (at market trage. Choose a comparation variety appropriate for this type.):  3 5 SPREAD OF RRAME LEAVES: 3 3 5 om CLEMENTE (specify comparison variety)  4 HEAD DIAMETER (market trimmed with single cap leaf):  4 HEAD SHAPE: 1=Flattened 2*Signity Flattened 4*Elangate 8=OTHER  3 HEAD SIZE CLASS: 1=Small 2*Medium 3=Large  1 HEAD COUNT PER CARTON  1 HEAD COUNT PER CARTON  1 HEAD WIGHT: 1 Singlety 4 Sepecify comparison variety)  3 HEAD WIGHT: 1 Singlety 4 Sepecify comparison variety;  3 HEAD FIRMNESS: 1=Loose 4 Septiment (specify comparison variety)  4 HEAD FIRMNESS: 1 Septiment 4 Septiment (specify comparison variety)  5 HEAD FIRMNESS: 1 Septiment 4 Septiment (specify comparison variety)  7 HEAD FIRMNESS: 1 Septiment (specify comparison variety)  8 HEAD FIRMNESS: 1 Septiment (specify comparison variety)  1 HEAD FIRMNESS: 1 Septiment (specify comparison variety)  3 SHAPE: 1 Sightly Cancave 2 Septiment (specify comparison variety)  4 HEAD FIRMNESS: 1 Septiment (specify comparison variety)  5 STATE (specify comparison variety)  5 STATE Variety (specify comparison variety)  6 SOLTING (CLASS: 1 Septiment This conditions): 1 Septiment. This can and often ones could the planting date.  6 SUTTING CLASS: 1 Septiment This conditions): 1 Septiment. This can and often ones could the planting date.  8 SOLTING CLASS: 1 Septiment This cancer conditions): 1 Septiment. This can and often ones could the planting date.  8 SOLTING CLASS: 1 Septiment This cancer conditions): 1 Septiment. This cancer conditions):		2	GLOSSINESS:	1=Ouil (Vanguard)	2=Moderate (Salinas)	3=Glossy (Great Lakes)	
TRICHOMES: 1=Absent (smooth) 2=Present (spiny)  5. PLANT (at market stage. Choose a comparison variety appropriate for this type.):  35 SPREAD OF FRAME LEAVES:			BLISTERING:	1=Absent/Slight (Salinas)	2=Moderate (Vanguard)	3=Strong (Prize Head)	
5. PLANT (at market stage, Choose a comparison variety appropriate for this type,):  SPREAD OF FRAME LEAVES:  This Variety  HEAD DIAMETER (market trimmed with single cap leaf):  This Variety  HEAD DIAMETER (market trimmed with single cap leaf):  This Variety  HEAD STAGE CLASS:  1=Flattened  3=Spherical  4=Clongate  3-Spherical  4=Clongate  3-Spherical  3-Spherical  4=Clongate  3-Spherical  3-Spherical  3-Spherical  3-Non-Heading  3-CTHER  3-Large  4-Clongate  4-Clongate  3-Large  4-Clongate  4-Clongate  4-Very Firm  4-Very Firm  5. BUTT (bottom of market-trimmed head):  3 SHAPE:  1=Slightly Concave  2=Flat  2=Rounded  3-Prominently Raised (Gree Lakes 559)  7. CORE (stem of market-trimmed head):  AS Ratio of head diameter/core diameter  Core height from base of head  5. 3 Ratio of head diameter/core diameter  Core height from base of head to spex  mm This Variety  6 Smm  CLENENTE (specify comparison variety)  mm This Variety  Core height from base of head to spex  to germinate. This can and often does equal the planting date.  Number of days from First Water Date to seed stalk semergence (summer conditions):  This Variety  BOLTING (Class):  1=Very Slow 2=Slow  3-Medium 4-Rapid  5-Very Rapid  4-Rapid		2	LEAF THICKNESS:	1=Thin	2=Intermediate	3=Thick	
SPREAD OF FRAME LEAVES:  This Variety  HEAD DIAMETER (market trimmed with sinele cap leaf):  This Variety  HEAD DIAMETER (market trimmed with sinele cap leaf):  This Variety  HEAD SHAPE:  1=Flattened  3=Spherical specify comparison variety)  HEAD SIZE CLASS:  1=Small 2=Medium  3=Large  2 A HEAD COUNT PER CARTON  HEAD WEIGHT:  9 This Variety  3 HEAD FIRMNESS:  1=Loose 2-Moderate  4=Very Firm  5. BUTT (bottom of market-trimmed head):  3 SHAPE:  1=Slightly Cancave 2=Frat 2=Rounced  3 MIDRIB:  1=Flattened (Salines)  7. CORE (stem of market-trimmed head):  A B Market rat base of head to apex:  This Variety  1 This Variety  NoTE: First Water Date 13 APR 2002:  NoTE: First Water Date 13 APR 2002:  NoTE: First Water Date 13 APR 2002:  This Variety    A BOLTING (Give First Water Date 13 APR 2002:  Number of days from First Water Date to seed stalk emergence (summer conditions):  This Variety    A BOLTING (Class:   1=Very Slow   2=Medium   3=Very Rapid   3=Very			TRICHOMES:	1=Absent (smooth)	2=Present (spiny)		
This Variety Section of market-trimmed head):    A	5. PL	ANT (at	t market stage. Choose a compar	ison variety appropriate for this type.):			
HEAD DIAMETER (market trimmed with single cap leaf):  om This Variety  A HEAD SHAPE:  1=Filamened 2-Slightly Flattened 2-Slightly Flattened 3-Scherical 4-Elongate 3-Scherical 6-OTHER 3-Large  2-Medium 3-Large  2-Medium 3-Large  2-Medium 3-Large  2-Medium 3-Large  3-Firm 4-Very Firm  6. BUTT (bottom of market-trimmed head): 3 SHAPE: 1=Slightly Concave 2-Fist 3-Rounded 3 MIDRIB: 1=Flattened (Salinas) 2-Moderately Raised 3-Prominently Raised (Green of market-trimmed head): 3 Ratio of head diameter/core diameter  1-1 Core height from base of head to apex: 3 Ratio of head diameter/core diameter  1-1 Core height from base of head to apex: 3 SOLTING (Give First Water Date to seed stalk emergence (aummer comititions): This Variety  3 Number of days from First Water Date to seed stalk emergence (aummer comititions): This Variety  4 BOLTING CLASS: 1-Very Rapid	Γ	2/2	, .	ED CLEMENT	TF		
### CIFICATE (specify comparison variety)  ###################################	Ļ	וכוכ			(specify comparison variet	<u> </u>	
HEAD SHAPE: 1=Flattened 3=Spherical 5=Non-Heading 6=OTHER    A		24			TE (specify comparison variet	·v)	
HEAD COUNT PER CARTON  HEAD WEIGHT: 9 This Variety  HEAD FIRMNESS: 1=Loose 2=Moderate 3=Firm 4=Very Firm  6. BUTT (bottom of market-trimmed head): 3 SHAPE: 1=Slightly Concave 2=Fiat 3=Rounded 3 MIDRIB: 1=Flattened (Salinas) 2=Moderately Raised 3=Prominently Raised (Gree Lakes 559)  7. CORE (stem of market-trimmed head): 4 Significant of head diameter/core diameter  1 Core height from base of head to apex: 1 mm This Variety  8. BOLTING (Give First Water Date 23 APR 2002): 1 NOTE: First Water Date to seed stalk emergence (summer conditions): 1 This Variety  4 BOLTING CLASS: 2=Slow 3=Firm (specify comparison variety) (specify comparison variety) (specify comparison variety) (specify comparison variety)  4 BOLTING CLASS: 2=Slow 3=Medium 5=Very Rapid 4=Rapid	_	4		1=Flattened	3=Spherical	5=Non-Heading	
HEAD WEIGHT: g This Variety    1		3	HEAD SIZE CLASS:	1=Smail <sup>d</sup>	2=Medium	3=Large	
### This Variety ### Date 13 APR 2002: NOTE: First Water Date 23 APR 2002: This Variety ### Date 10 seed stalk emergence (summer conditions):    This Variety   Shope   Shope		24	HEAD COUNT PER CARTON				
6. BUTT (bottom of market-trimmed head):  3 SHAPE: 1=Slightly Concave 2=Fiat 3=Rounded  3 MIDRIB: 1=Flattened (Salinas) 2=Moderately Raised 3=Prominently Raised (Gree Lakes 659)  7. CORE (stem of market-trimmed head):  4 S mm Diameter at base of head :  5 3 Ratio of head diameter/core diameter  Core height from base of head to apex mm This Variety  8. BOLTING (Give First Water Date 23 APR 2002: NOTE: First water Date is the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.  Number of days from First Water Date to seed stalk emergence (summer conditions): This Variety (specify comparison variety)  BOLTING CLASS: 1=Very Slow 3=Medium 5=Very Rapid  Height of mature seed stalk:	9	23		816, CLEMEN	TE (specify comparison variet	<i>y)</i>	
3 SHAPE: 1=Slightly Concave 2=Fiat 2=Rounded  3 MIDRIB: 1=Flattened (Salinas) 2=Moderately Raised 3=Prominently Raised (Greately 659)  7. CORE (stem of market-trimmed head):  A 5 mm Diameter at base of head:  5 3 Ratio of head diameter/core diameter  Core height from base of head to apex mm This Variety (specify comparison variety)  8. BOLTING (Give First Water Date 23 APR 2003: NOTE: First Water Date is the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.  Number of days from First Water Date to seed stalk emergence (summer conditions):  This Variety (specify comparison variety)  BOLTING CLASS: 1=Very Slow 3=Medium 5=Very Rapid  Height of mature seed stalk:		1	HEAD FIRMNESS:		=		
MIDRIB: 1=Flattened (Salinas) 2=Moderately Raised 3=Prominently Raised (Great_Lakes 659)  7. CORE (stem of market-trimmed head):    Market	6. BL	JTT (bot	tom of market-trimmed head):				
7. CORE (stem of market-trimmed head):    A		3	SHAPE:	1=Slightly Concave	2≂F:at	3=Rounded	
A 5 mm Diameter at base of head .    5		3		1≖Flattened (Salinas)	2≃Moderately Raised	3=Prominently Raised (Great Lakes 659)	
Ratio of head diameter/core diameter  Core height from base of head to apex 6 5 mm CLEMENTE (specify comparison variety)  8. BOLTING (Give First Water Date 23 APR 2002): NOTE: First Water Date is the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.  Number of days from First Water Date to seed stalk emergence (summer conditions): This Variety  BOLTING CLASS: 1=Very Slow 2=Slow 3=Medium 4=Rapid  Height of mature seed stalk:	7. CO	RE (sterr	n of market-trimmed head);				
Core height from base of head to apex:  mm This Variety  8. BOLTING (Give First Water Date 23 APR 2002: NOTE: First Water Date :s the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.  Number of days from First Water Date to seed stalk emergence (summer conditions):  This Variety  BOLTING CLASS: 1=Very Slow 2=Slow 3=Medium 5=Very Rapid  Height of mature seed stalk:	2	45	mm Diameter at base of head				
8. BOLTING (Give First Water Date 13 APR 2002): NOTE: First Water Date is the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.  Number of days from First Water Date to seed stalk emergence (summer conditions): This Variety  BOLTING CLASS: 1=Very Slow 2=Slow 3=Medium 5=Very Rapid  Height of mature seed stalk:	5	3		·	Annu ma	-	
Number of days from First Water Date to seed stalk emergence (summer conditions):  This Variety  BOLTING CLASS:  1=Very Slow 2=Slow  Height of mature seed stalk:		77	mm This Variety	65 mm CLEMENT			
Number of days from First Water Date to seed stalk emergence (summer conditions):  This Variety  BOLTING CLASS:  1=Very Slow 2=Slow  1=Very Slow 4=Rapid  5=Very Rapid	8. BO	LTING	(Give First Water Date <u>13 AP</u>	NOTE: First Water Date is to germinate. This can and o		isture	
BOLTING CLASS: 1=Very Slow 2=Slow 3=Medium 5=Very Rapid 4=Rapid		55		ter Date to seed stalk emergence (summer	conditions):	N.)	
Height of mature seed stalk:	<u> </u>	4		1=Very Slow	3=Medium		
		56	•			γ)	

. 8. BOLTING	cont'd			
46	Spread of Boiter Plant (at wi	dest point):	CLEMENTE (SDECIT	200200222 y comparison variety)
	BOLTER LEAVES:	1≈Straight	2=Curved	. comparation contents
	MARGIN:	1=Entire	2=Dentate	:
<u>a</u>	COLOR:	1=Light Green	2=Medium Green	3≖0ark Green
1	BOLTER HABIT: TERMINAL INFLORESCENCE:	1=Absent	2=Present	
2	LATERAL SHOOTS:	1=Absent	2*Present	
	BASAL SIDE SHOOTS:	1=Absent	2=Present	
9. MATURITY	(earliness of harvest-mature he	and down attacks		
	Complete this section for at least			
SEAS				· da
		Since I was days	CHEC	K VARIETY 2/
Spring	, 93	101	CLEMENTE	
Summ	ner 57	63		
Fail	70	76		
Winter	90	95	4	
Give planting	date(s), and location(s):			
Spring	- CENTRAL (	CALIFORNI	A COAST IS	JANUARY TO 15 AVOUS
Summe	-			
Fall		V		
Winter	SOU THERN (AL		ESTERN ARUZONA	15 OCTOBER TO 1 DECEM
IO. ADAPTATIO		A FIR In check vari	ety name on the appropriate line.	BER
	PRIMARY REGIONS OF ADA	PTION (tested and prov	ven adapted): (0=Not tested	1=Not Adapted 2=Adapted)
a s	Southwest (Calif., Ariz. desert)	(1) West Coa	st Northeast	
O	lorthcentral	Southeas	t	
	EASON: 2 Spring (area CENTRA	COLLE COS	NET TO CET	FRNI CALECUST
6	= .	,	OC I all (alca Cara)	TRAL CALIF COAST
	Summer (area CENTR	AL CALIF GOA	Winter (area In)	ERIADVALLEY, YUMA
	REENHOUSE: C	=Not tested	1=Not Adapted	2=Adapted
[] s	OIL TYPE: 1	=Mineral	2=Organic	3=Both
ORM LS-470-1 (9-86)				Page 3 of

F

7

		·
<b>1</b> 11.	DISEASES AND STRESS REACTIONS (0=Not teste	d; 1=Susceptible; 2=Intermediate; 3=Resistant; 4=Highly@esistant; 52Tolerant) 2 2 2
_	VIRUS	FUNGAL/BACTERIAL
•	∏ Big Vein	O Corky Root Rot (Pythium Root Rot)
	Lettuce Mosaic	CAT TATIS THE WAY
	Cucumber Mosaic	D Powdery Mildew (Haces (BTE 13/31/2004 per applicant's authorization)
	Sroad Bean Wilt	Scierotinia Rot
	O Turnip Mosaic	Bacterial Soft Rot (Pseudomonas spp. & others)
	O Beet Western Yellows	Botrytis (Gray Mold)
	Lett. Infectious Yellows	3 OTHER Rhizomonas Suberifaciens
٠	Other Virus	
	INSECTS	PHYSIOLOGICAL/STRESS
	O Cabbage Loopers	3 Tipburn O Salt
	O Root Aphids	Heat Brown Rib (Rib Discoloration, Rib Blight)
	Green Peach Aphid	O Drought OTHER
	Other Insect	2 Cold
		POST HARVEST
	Pink Rib	
		Internal Rib Necrosis (Blackheart, Gray Rib, Gray Streak)
	Nusset Spotting	O Brown Stain
	Rusty Brown Discoloration	
12.	BIOCHEMICAL OR ELECTROPHORETIC MARKERS	•
		·
13.	COMMENTS:	
		· ···
	•	
	•	
		g Maria Maria Maria

### SUGGESTED CHECK VARIETIES

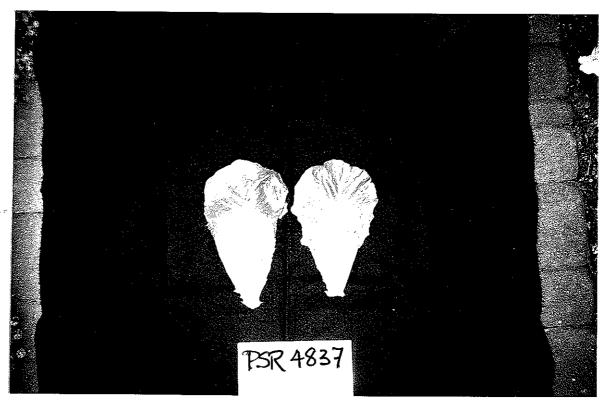
#### TYPE

- CUTTING/LEAF BUTTERHEAD
- 2) 3) 8188
- BIBB COS, OR ROMAINE GREAT LAKES GROUP VANGUARD GROUP IMPERIAL GROUP EASTERN GROUP STEM LATIN

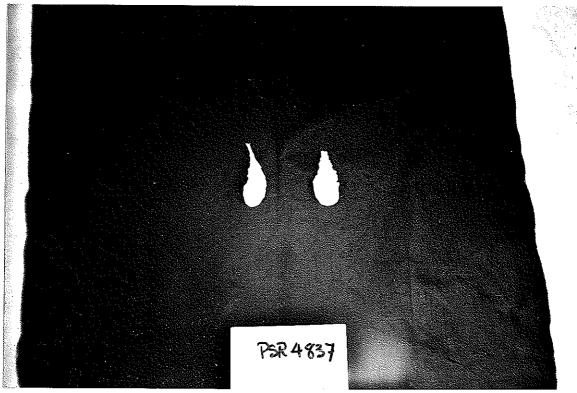
- 8)
- 9)

#### CHECK VARIETY

SALAD BOWL DARK GREEN BOSTON BIBB PARRIS ISLAND GREAT LAKES 659-700 VANGUARD VIVA ITHACA CELTUCE MATCHLESS



Fourth leaf from 20-day old seedlings, cv. Brave Heart (PSR 4837)



Harvest-mature leaf, cv. Brave Heart (PSR 4837)

REPRODUCE LOCALLY. Include form number and edition date on al	reproductions. F	ORM APPROVED - OMB No. 0581-005				
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE  EXHIBIT E  STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to det certificate is to be issued (7 U.S.C. 2 confidential until the certificate is issued	ermine if a plant variety protection 421). The information is field				
1. NAME OF APPLICANT(S)  Seminis Vegetable Seeds, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER PSR 4837	3. VARIETY NAME  Brave Heart				
4. ADDRESS (Street and No. or R.F.D. No., City, State, and ZiP, and Country). 2700 Camino del Sol Oxnard, CA 93030-7967	5: TELEPHONE (Include area code) 805 647 1572	5. FAX (metret) area code) 805 918 2545				
8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain						
9. is the applicant (individual or company) a U.S. National or a U.S. based company? If no, give name of country  YES  NO						
10. Is the applicant the original owner?	if no, please answer <u>one</u> of the fo	llowing:				
a. If the original rights to variety were owned by individual(s), is	(are) the original owner(s) a U.S. Nation	al(s)?				
YES	If no, give name of country					
b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?						
YES						
11. Additional explanation on ownership (If needed, use the reverse	for extra space):					
The variety named in this application was developed be named below. By agreement between employee and discovery, or development made by an employee are a discovery, or development are retained by the employee	Seminis Vegetable Seeds, Inc., assigned to the Company. No ri	all rights to any invention,				
Employee (Breeder): Bill Waycott Sit	te Location: Arroyo Grande, CA					
PLEASE NOTE:						
Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:						
If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.						
<ol> <li>If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.</li> </ol>						
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must n	neet one of the above criteria.				
The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.						
According to the Panerwork Reduction Act of 1995, an agency may not conduct or excessor	and a paramile not consisted to community and a	on of information unique it disclose a condition				

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits a list programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W. Whitten Building, 14<sup>th</sup> and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5984 (voice and TDD). USDA is an equal opportunity provider and employer.